7.   (Currently Amended) A ~~satellite~~ spacecraft positioning method, the method comprising the steps of:

launching a first spacecraft within docking distance of a second spacecraft, the second spacecraft having a first center of mass;

guiding the first spacecraft to the second spacecraft;

attaching the first spacecraft to the second spacecraft to obtain a combined spacecraft;

calculating a combined spacecraft center of mass ~~of a parent/child spacecraft~~, the combined spacecraft center of mass reflecting a change from the first center of mass;

calculating an angle of rotation of a thruster pod about a gimbal related to the combined center of mass calculated; and

changing the angle ~~or~~ of rotation of the thruster to reflect a change ~~in the center of mass~~ from the first center of mass to the combined center of mass.

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8.   (Original) The method of claim 7, further comprising the steps of:

calculating a first firing direction and a first magnitude of force for a fixed thruster; and

calculating a second firing direction and a second magnitude of force for a gimbaled thruster.

9.   (Original) The method of claim 8, wherein calculating the first firing direction and calculating the second firing direction are based upon the center of gravity calculated.

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